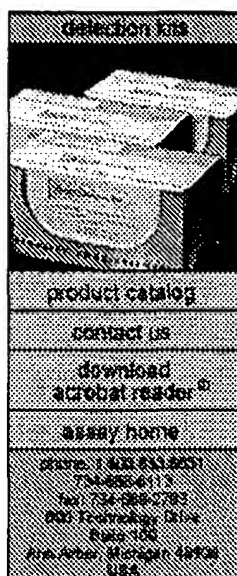


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Detection Kits

Caspase-3 (Colorimetric & Fluorometric) Detection Kits

Caspase-3 Colorimetric Detection Kit

Format	Catalog #	Kit Insert	MSDS	Assay Layout
96 Well Kit	907-013			

Caspase-3 Fluorometric Detection Kit

Format	Catalog #	Kit Insert	MSDS	Assay Layout
96 Well Kit	907-014			

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[Assay Procedure](#) | [Performance Specs](#) | [Related Products](#)

FOR RESEARCH PURPOSES ONLY, NOT FOR DIAGNOSTIC USE.

Product Features



2 Step, Simple Microtiter Plate Method
Measure Up To 37 Samples in Duplicate
Kinetic or Stopped Reaction
Read Hundreds of Samples at Once

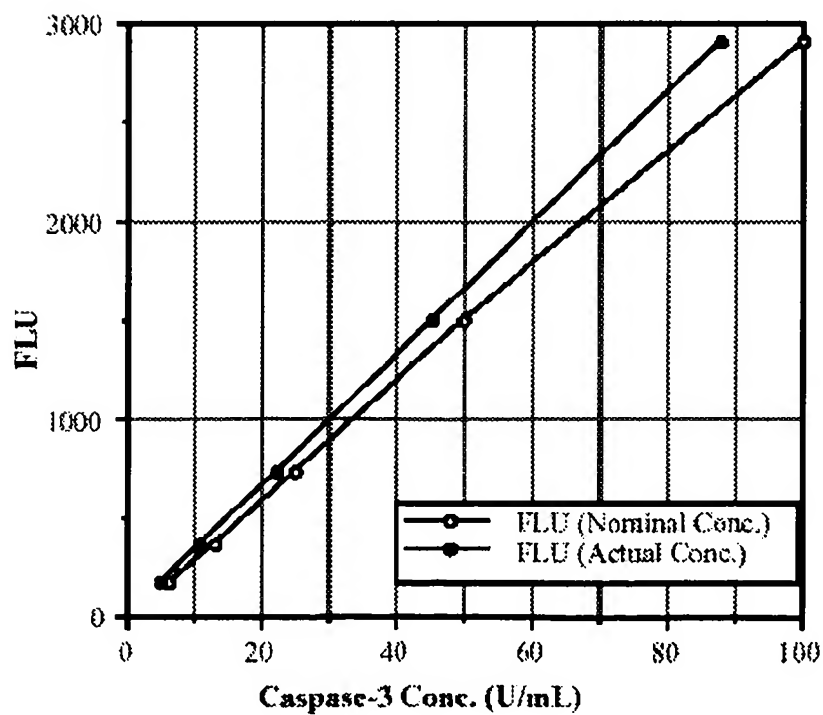
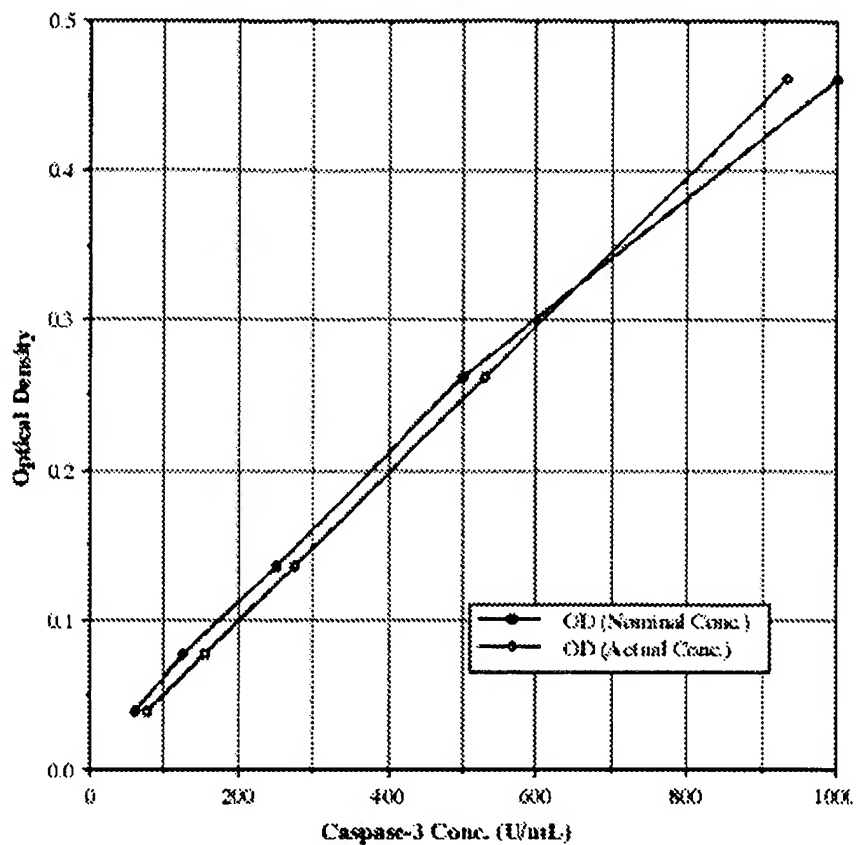
Significance & Uses



Caspase-3 activation plays a central role in apoptosis, also known as programmed cell death. Activated caspase-3 is responsible for the breakdown of several cellular components related to DNA-repair and regulation. The measurement of caspase-3 allows for the study of apoptotic mechanisms.

Typical Standard Curve





Assay Procedure

1. Pipet Standards, Samples and Calibrator in duplicate into the wells.
2. Pipet Substrate into the wells and incubate.

3. Pipet Stop Solution (if desired).
4. Colorimetric: Read on a plate reader at 405 nm.
Fluorometric: Read on a Fluorometer at 440 nm or with excitation at 360 nm.
5. Calculate sample concentrations from Standard Curve.

Performance Specifications



	Colorimetric Caspase-3 (907-013)	Fluorimetric Caspase-3 (907-014)
RANGE	76-933 Units/mL	5.0-87.8 Units/mL
SAMPLE SIZE	50 µL	50 µL
SAMPLES PER 96 WELL KIT	37 in duplicate	37 in duplicate
SENSITIVITY	16.4 Units/mL	0.42 Units/mL
PRECISION	2.3-4.7% Intra 3.7-8.5% Inter	4.7-6.6% Intra 3.4-7.4% Inter
SPECIES SPECIFICITY	non-specific	non-specific

Related Products



Product Name	Catalog Number
Survivin EIA	900-111
Caspase-6	907-021
cAMP EIA	900-067 , 901-067
cGMP EIA	900-013 , 901-013
Direct cAMP EIA	900-066 , 901-066
Direct cGMP EIA	900-014 , 901-014
Nitric Oxide Kit	907-010
Total Nitric Oxide Kit	907-020

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